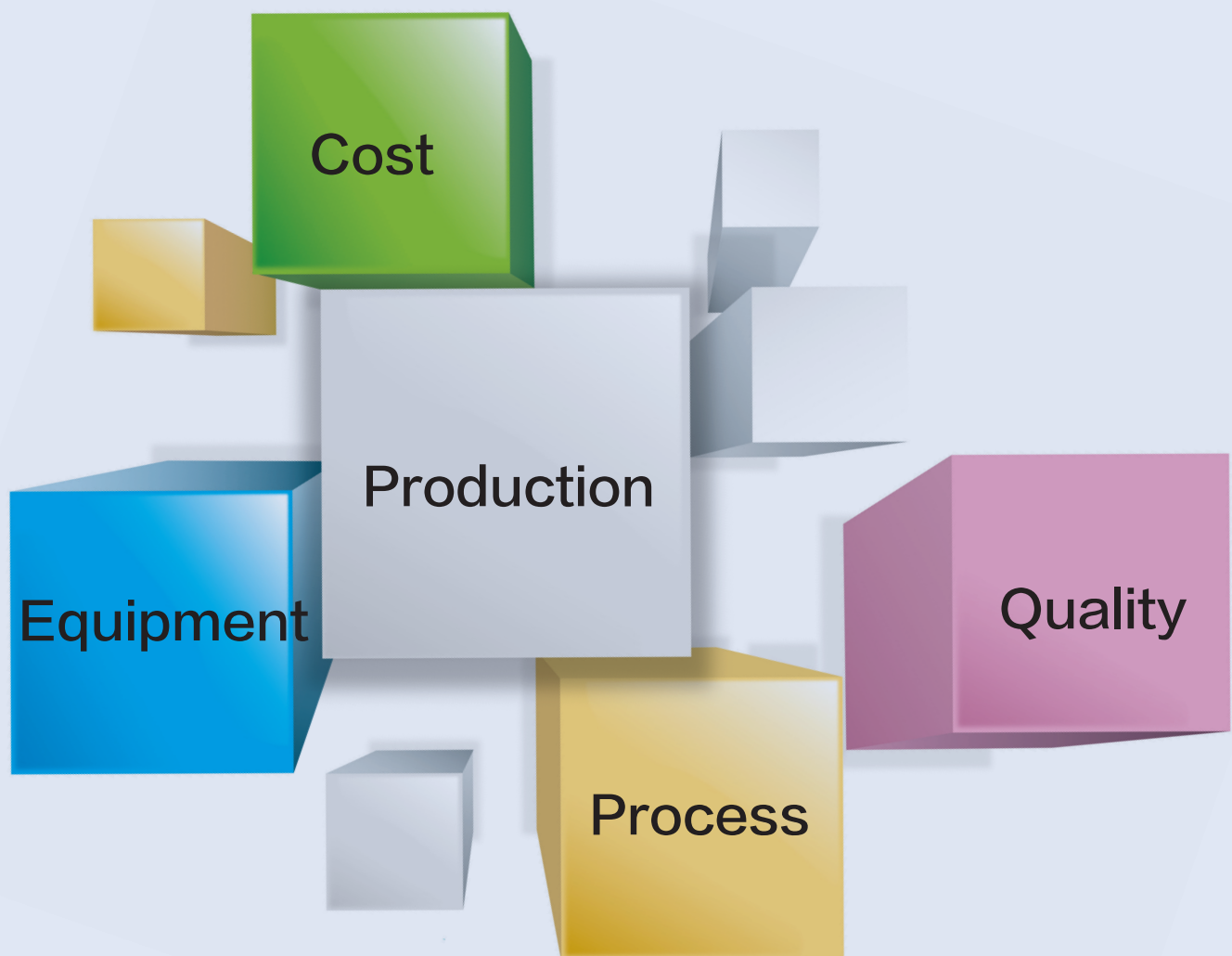


Panasonic

Welding Machine
Robot
Laser Welding System

iWeld 5
Intelligent Welding Management System

The Total Solution for Welding Process Management



Digital Manufacturing in the epoch of Industry 4.0

Panasonic pursues *Only one* in welding

■ Challenges of Welding Production Enterprise



① Welding Production Data can NOT be Collected

- No transparent in Welding Production Process , paper-based Welding Record - difficult to handle.
- Welding man-hour and Production schedule can NOT be gathered, causing welding operation schedule out of line with plan.

② Low Efficiency of Welding Management Flow

- Material receiving and distribution flow is out of control with low efficiency without tracing on material usages.
- How to precisely and automatically assign the task according to the welder's qualification and equipment type.
- Paper-base Management on Welding Process , WPS, Seam acceptance , slow timeline

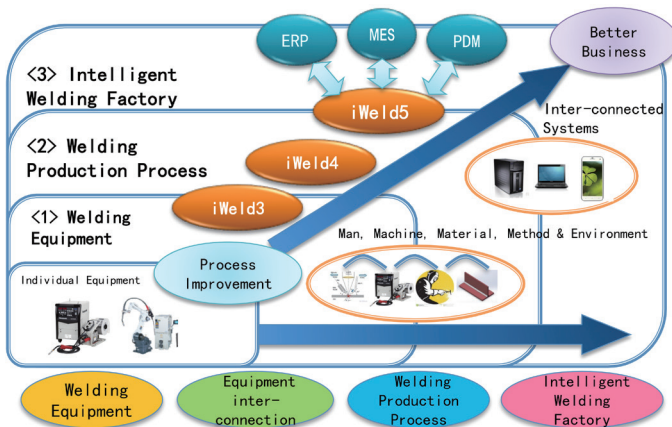
③ Welding Quality can NOT be Assured Effectively

- There are deviations between actual Welding Parameters and ones required by the Processes. How can we assure the process instructions are strictly implemented?
- How can we trace Parameters of Welding Product?

④ Lack of Welding Report Decision-making Analysis

- No Intelligent Analysis on the operating data of personnel and Equipment - hard to improve the over-all production efficiency .
- Manual statistics on production schedule report , man-hour report and product qualified rate report is not possible to meet the requirement on efficient workshop.

iWeld Target Positioning - Better Business



Features of iWeld 5

- Technical platform: J2EE, mainstream frame structure
- Operating mode: B/S, C/S
- Extendable interface: Webservice, Socket, API and database
- Multi-database: SQL Server, MySQL frequently used databases
- Multilingual: English/Chinese. Other language can be extended.
- Concurrency: 1000 on-line clients
- Platform independence: rapid application development and module

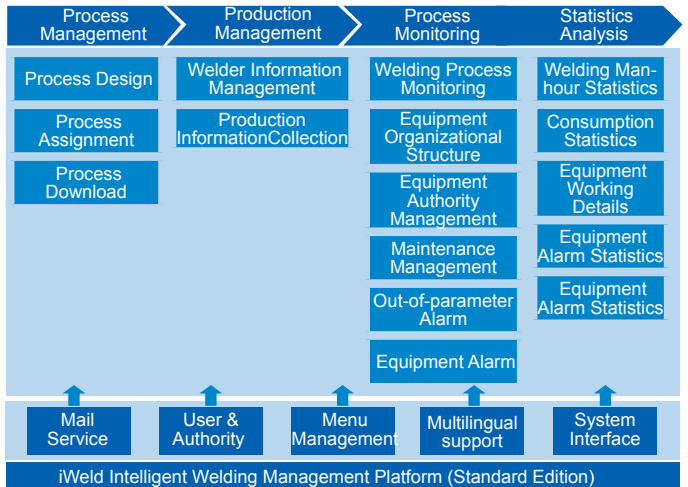
synchronization with other systems are supported.

- Welding flow: full flow digital management for process-planning-assignment-inventory-implement-inspection

iWeld5 Product Description

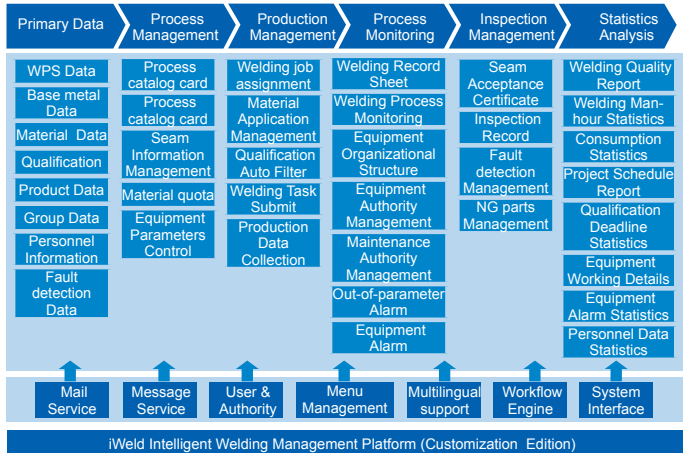
• iWeld5 Standard Edition

Product Definition: A Welding Data Monitoring Management software specially designed for PWST welding machine and Robot.



• iWeld5 Customization Edition

Product Definition: an Enterprise Welding Process Management System consisting of extended software modules based on Standard Edition such as Welding Primary Data Management, Process Flow Management, Welding Production Management, Inspection and Fault Detection Management etc. The modules can be combined in freestyle and customized according to specific requirement of the clients.



Values of iWeld 5

Controlled welding quality	The standards for process, personnel and equipment can be carried out.
Smooth communication	Exact information can be transferred via digital flow without any delay.
Visualized welding flow	Information isolated islands are eliminated and the sharing rate of welding flow can increase 90%.
Helpful in improvement of business operations	Big welding data will bring you more precision management with higher efficiency.

- ! Safety precautions** • Before attempting to use any welding product, always read the manual to ensure correct use.

Panasonic®

Panasonic Welding Systems(Tangshan)Co.,Ltd.
Tel: (0315) 3206066 3206060 Fax: (0315) 3206018
Service hotline: (0315) 3206016 4006125816
Technique consulting: (0315)3206012
Website: <http://pwst.panasonic.cn>
E-mail: sales@tsmi.cn

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